

Fig.1

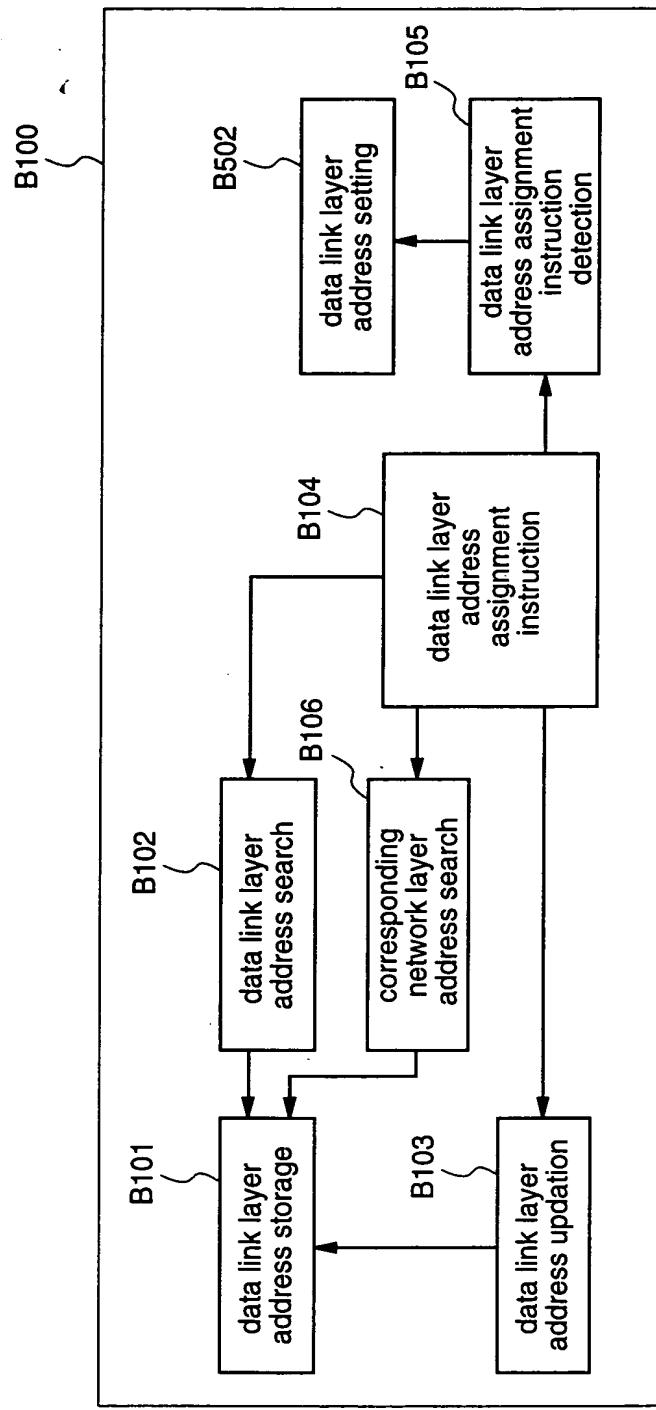


Fig.2

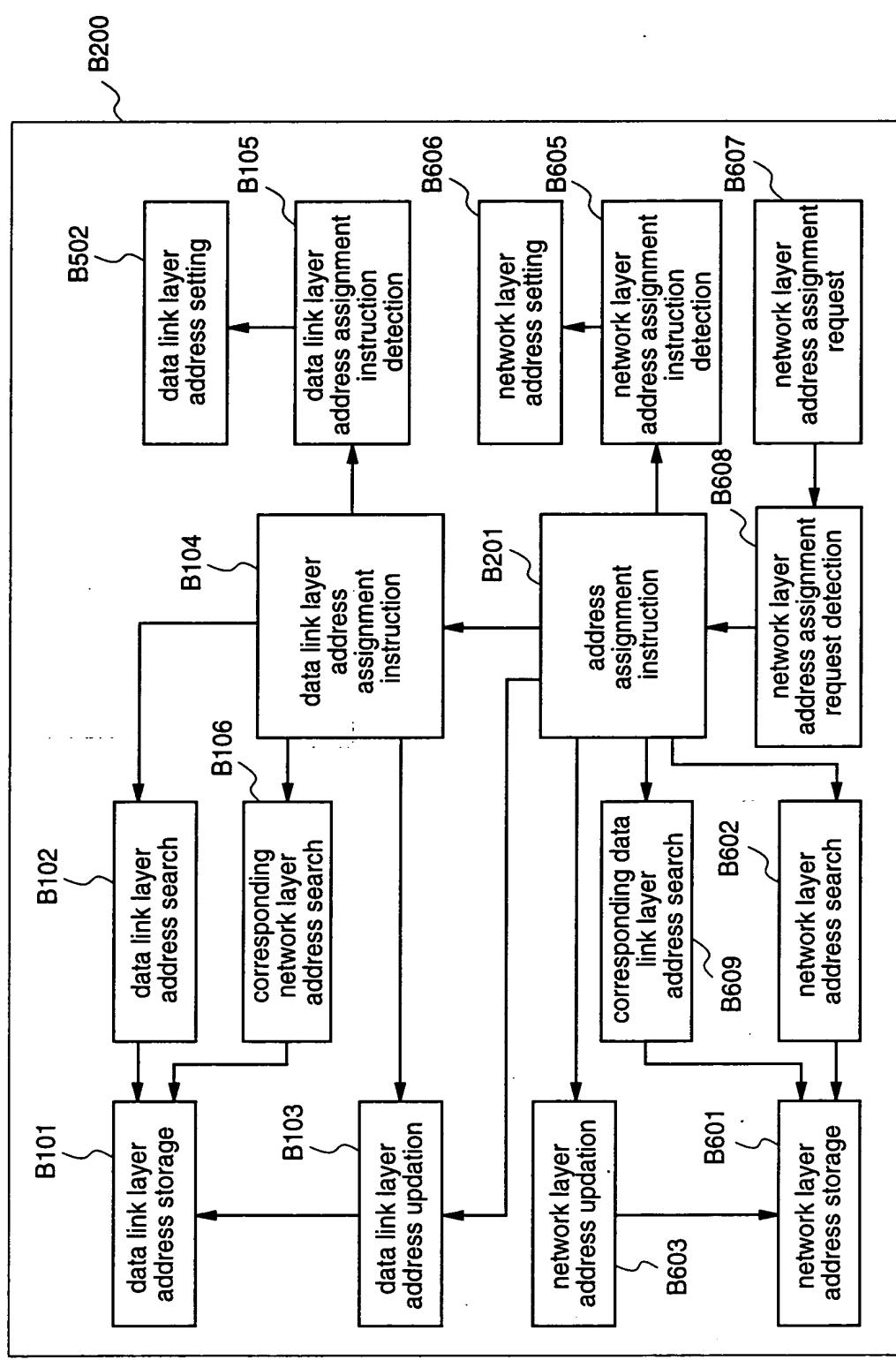


Fig.3

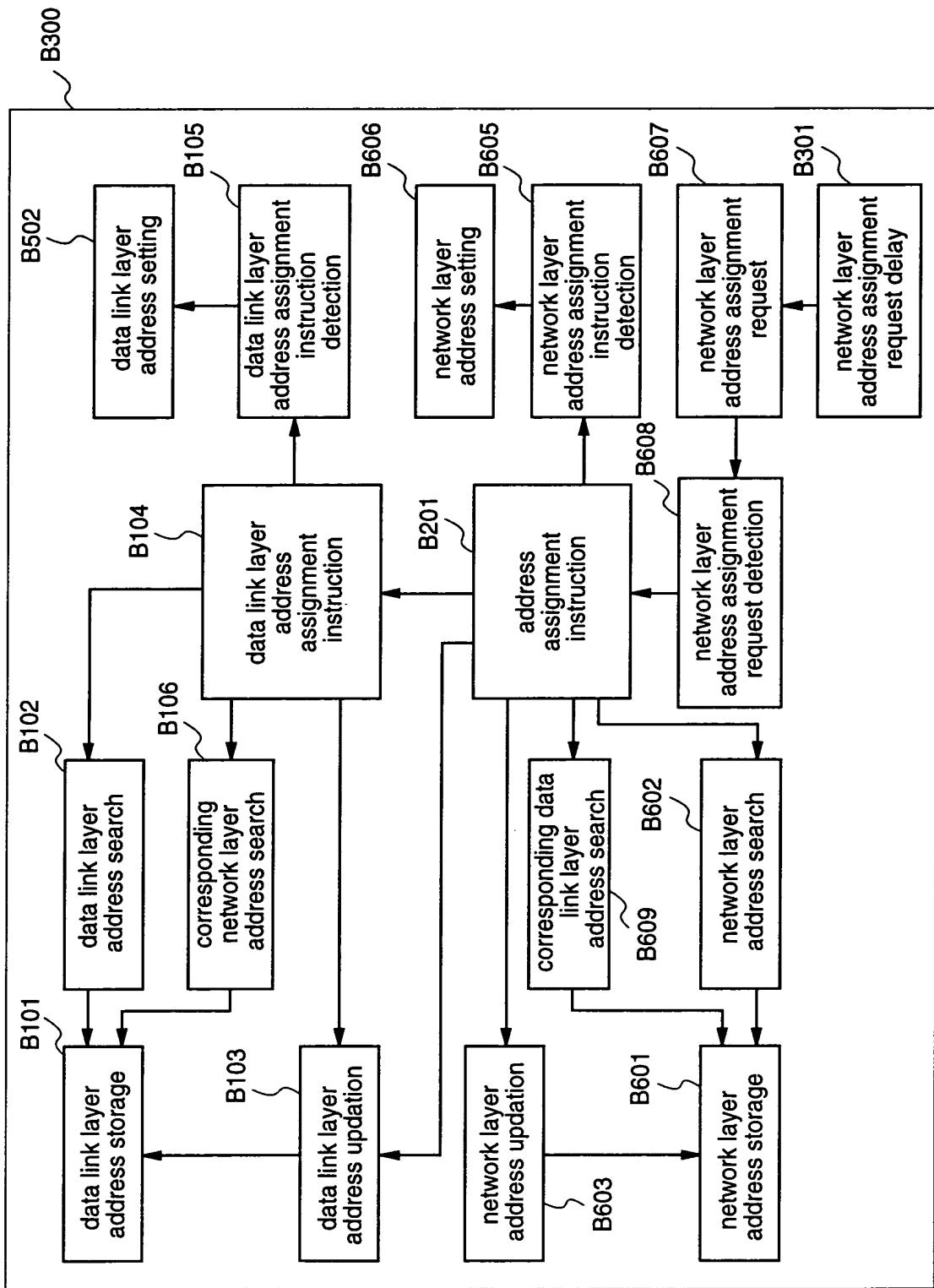


Fig.4

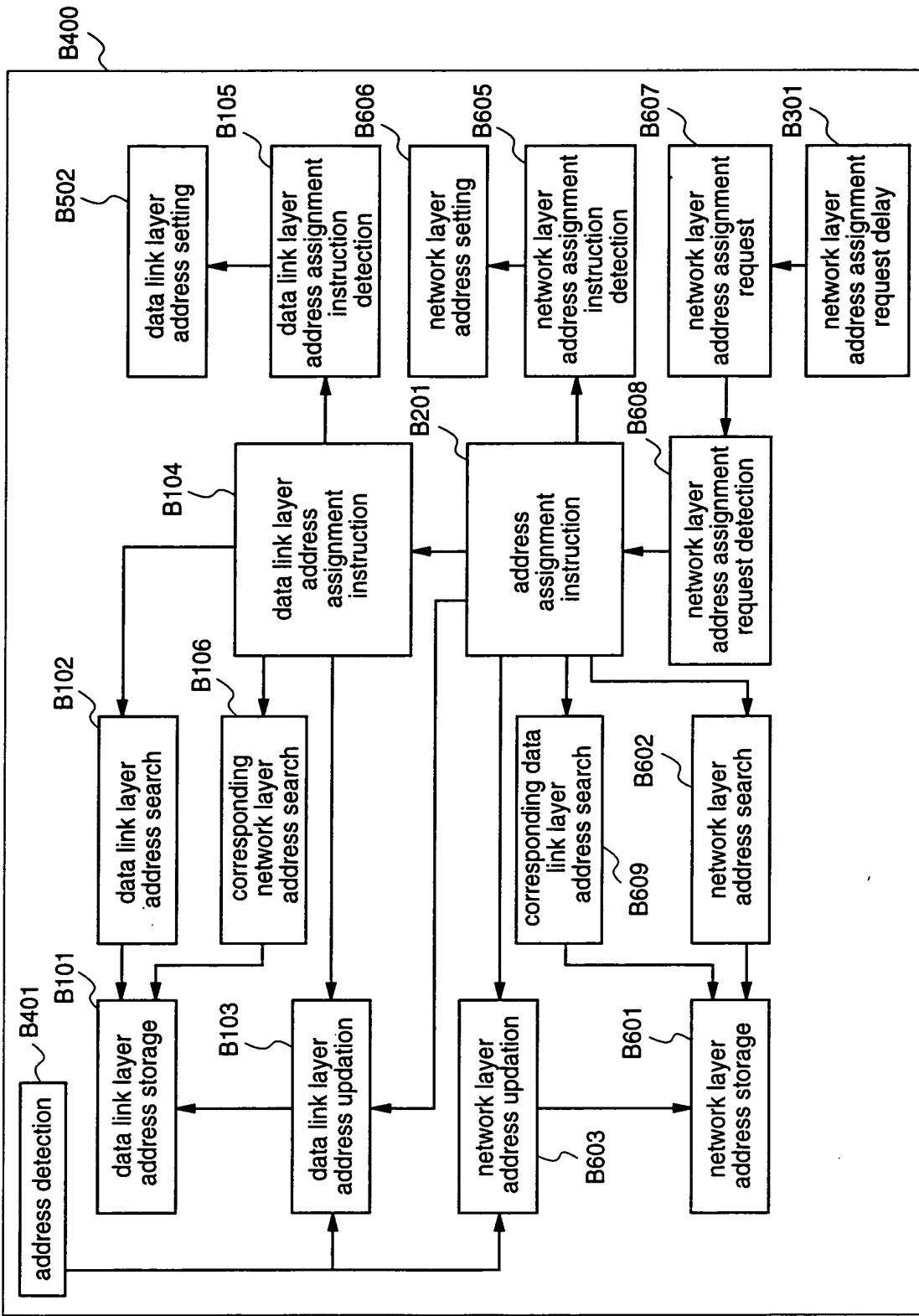


Fig.5 Prior Art

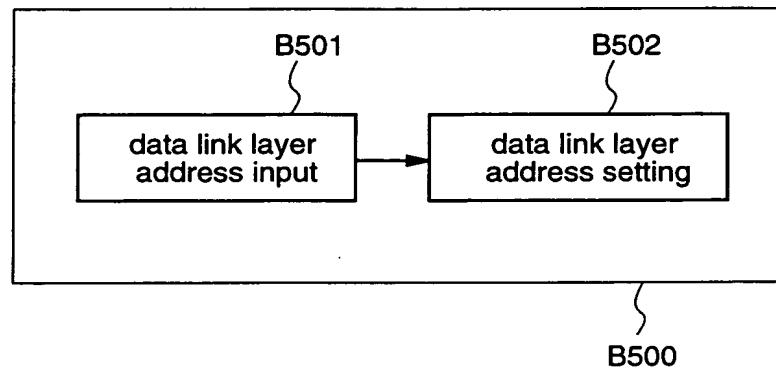


Fig.6 Prior Art

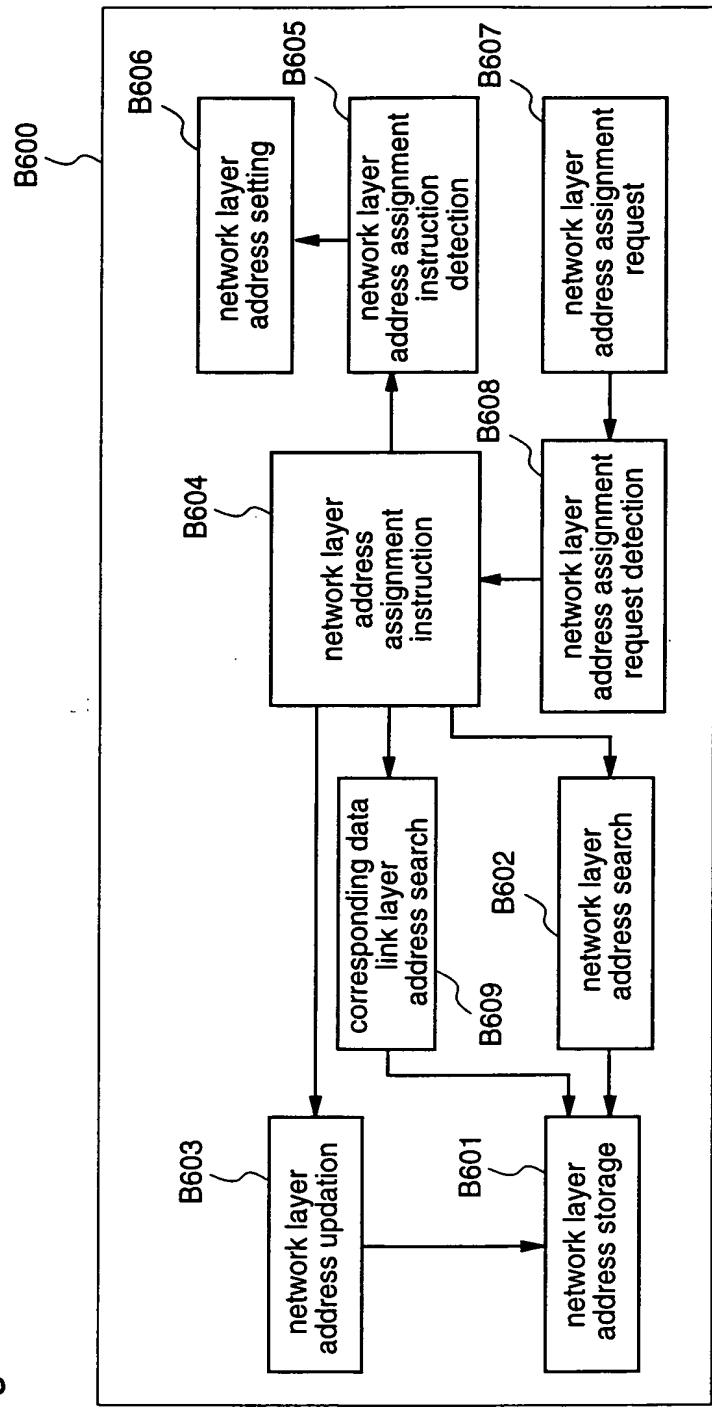


Fig.7

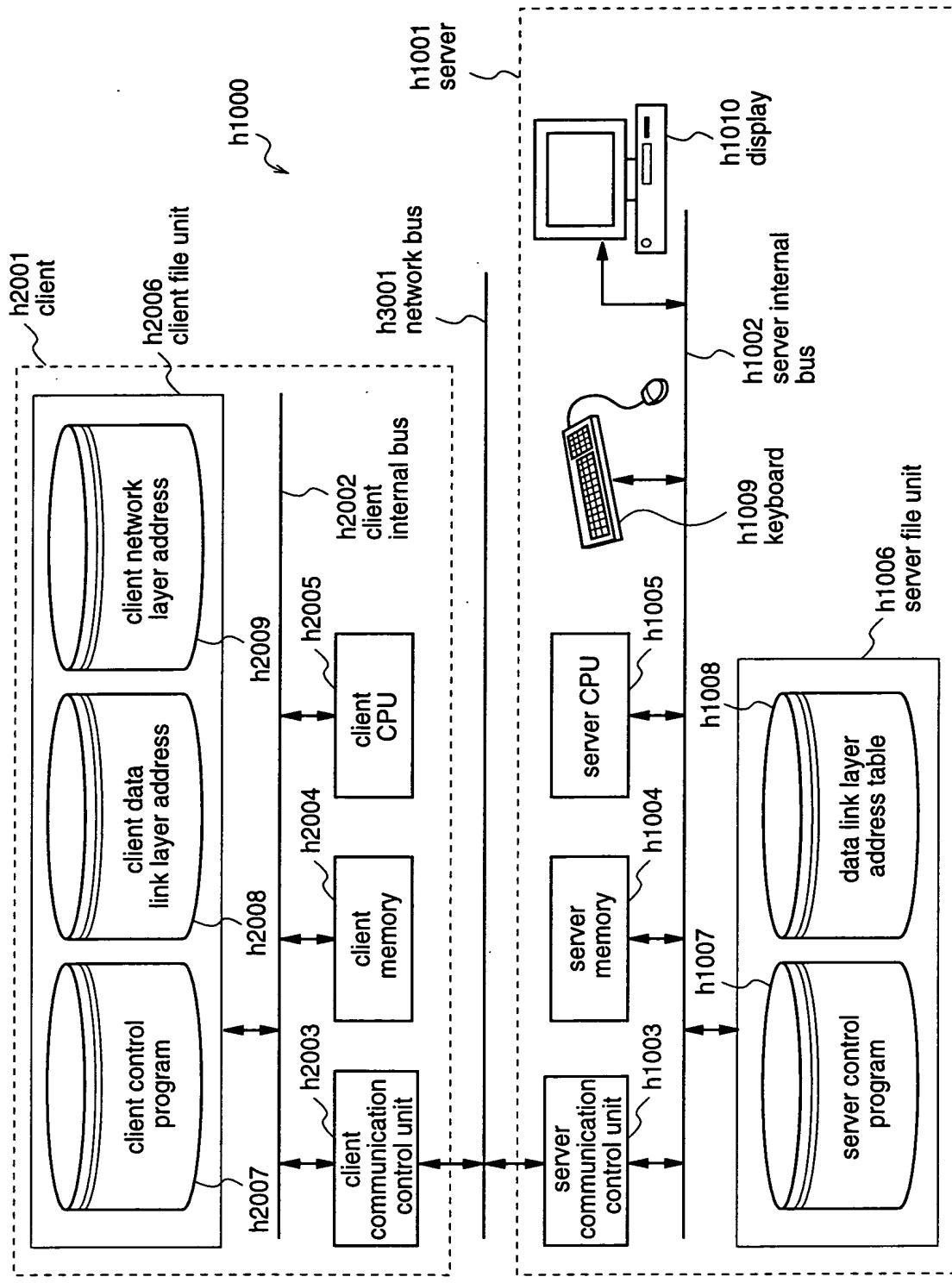


Fig.8

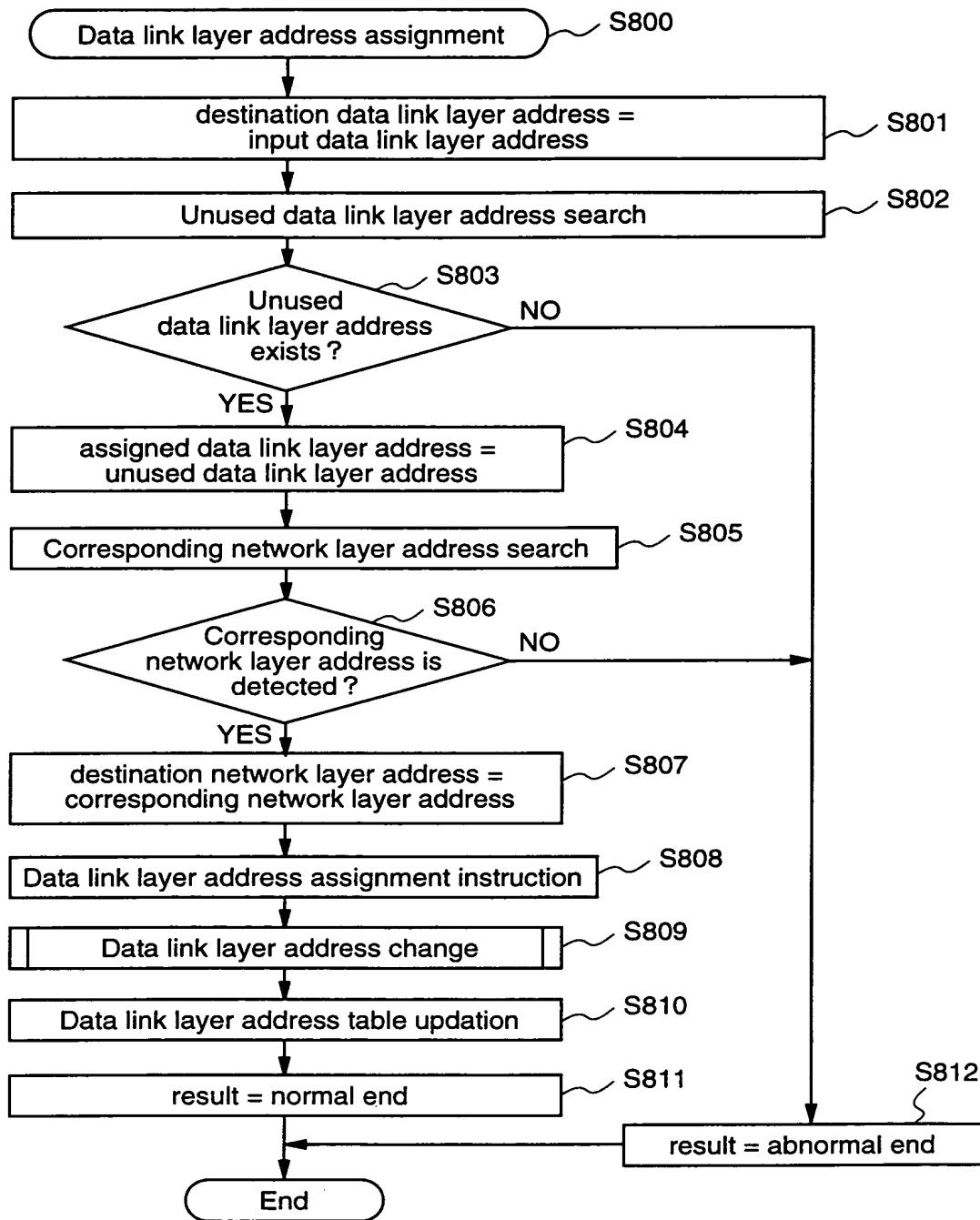


Fig.9

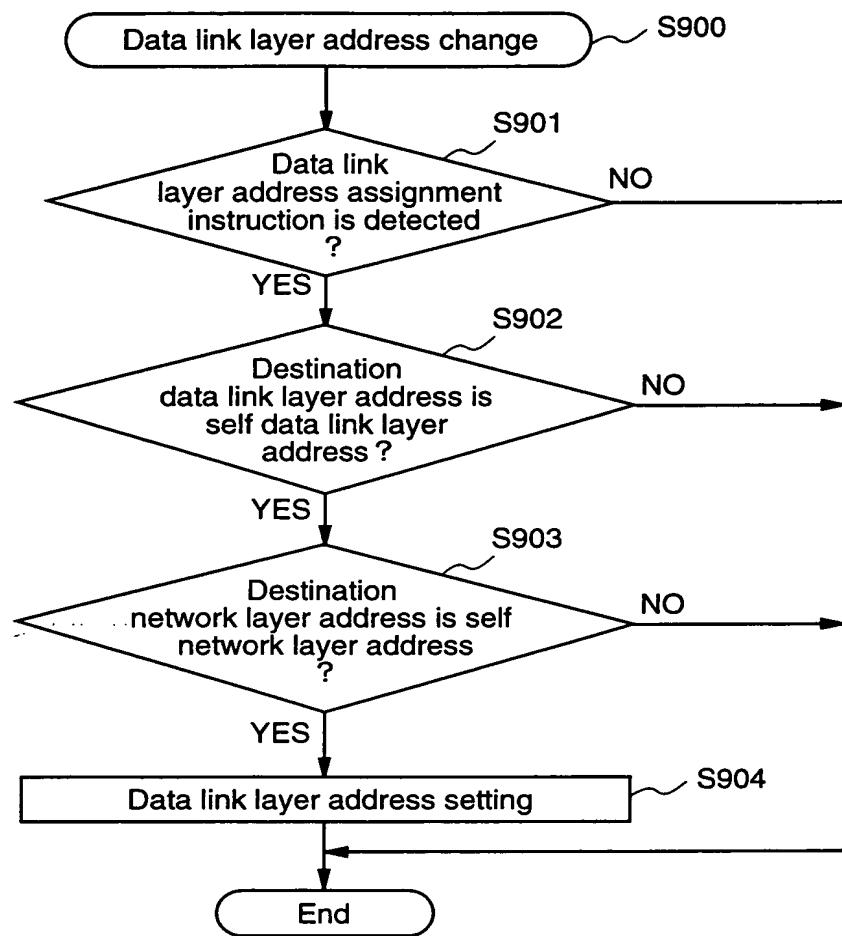


Fig.10(A)

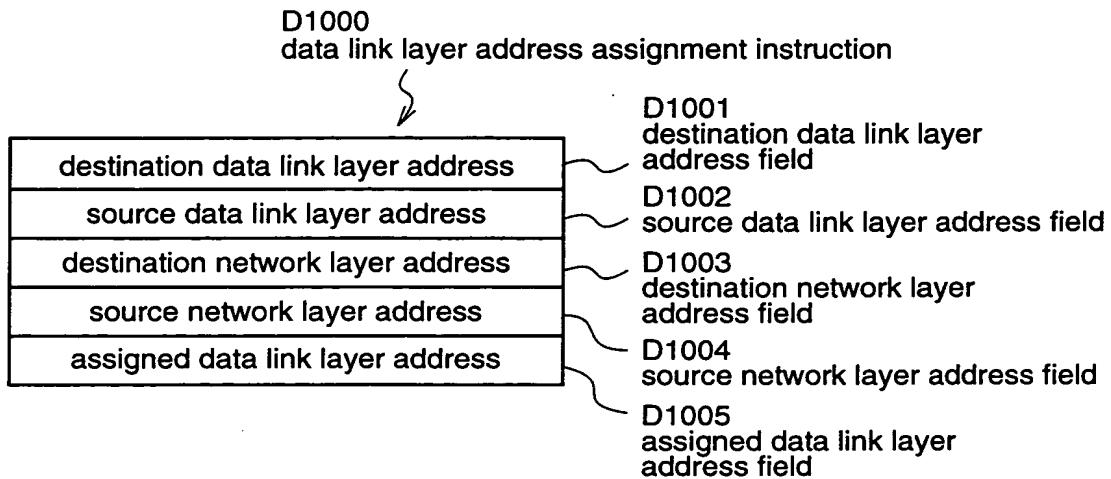


Fig.10(B)

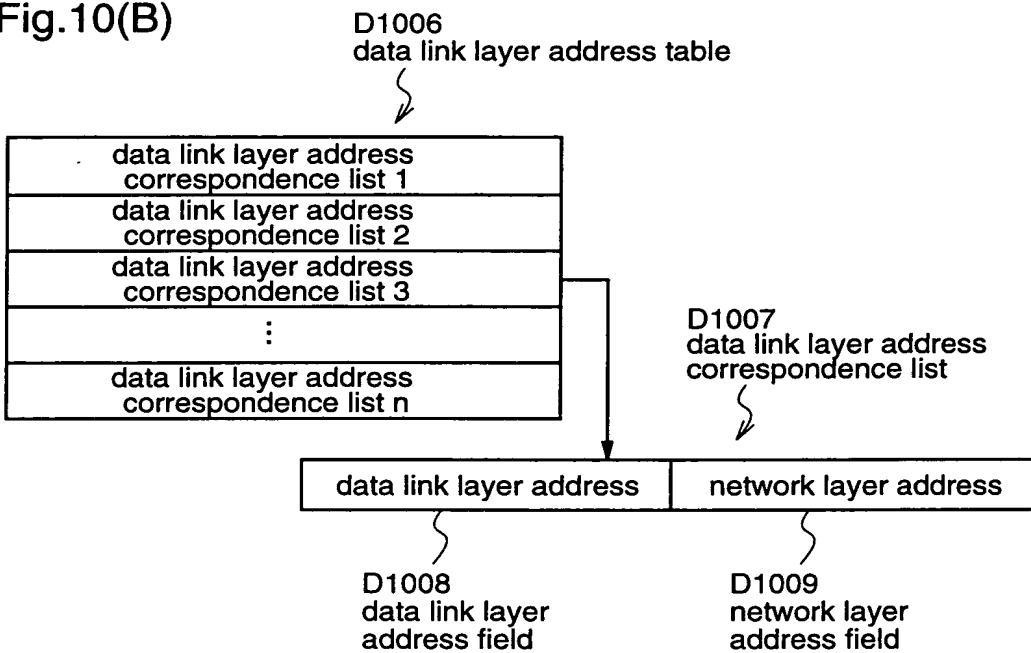


Fig.11

(a1) address state of server

network layer address	data link layer address
NA1	DA1

(a2) address state of server

network layer address	data link layer address
NA1	DA1

(b1) address state of client 1

network layer address	data link layer address
NA2	DA2

(b2) address state of client 1

network layer address	data link layer address
NA2	DA3

(d1) data link layer address table

data link layer address	network layer address
DA1	NA1
DA2	NA2
DA3	NULL
DA4	NULL

(d2) data link layer address table

data link layer address	network layer address
DA1	NA1
DA2	NULL
DA3	NA2
DA4	NULL

Fig.12

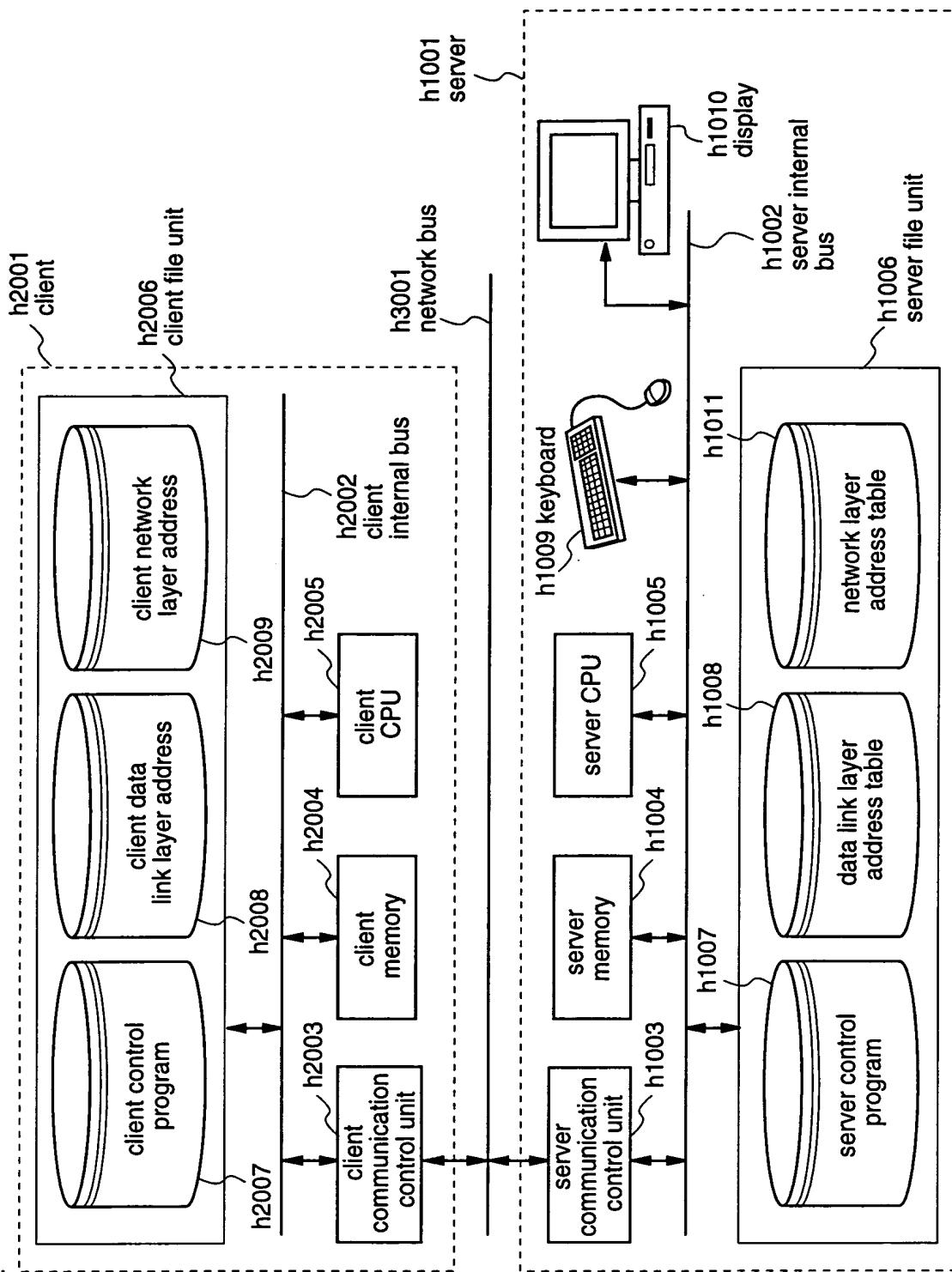


Fig.13

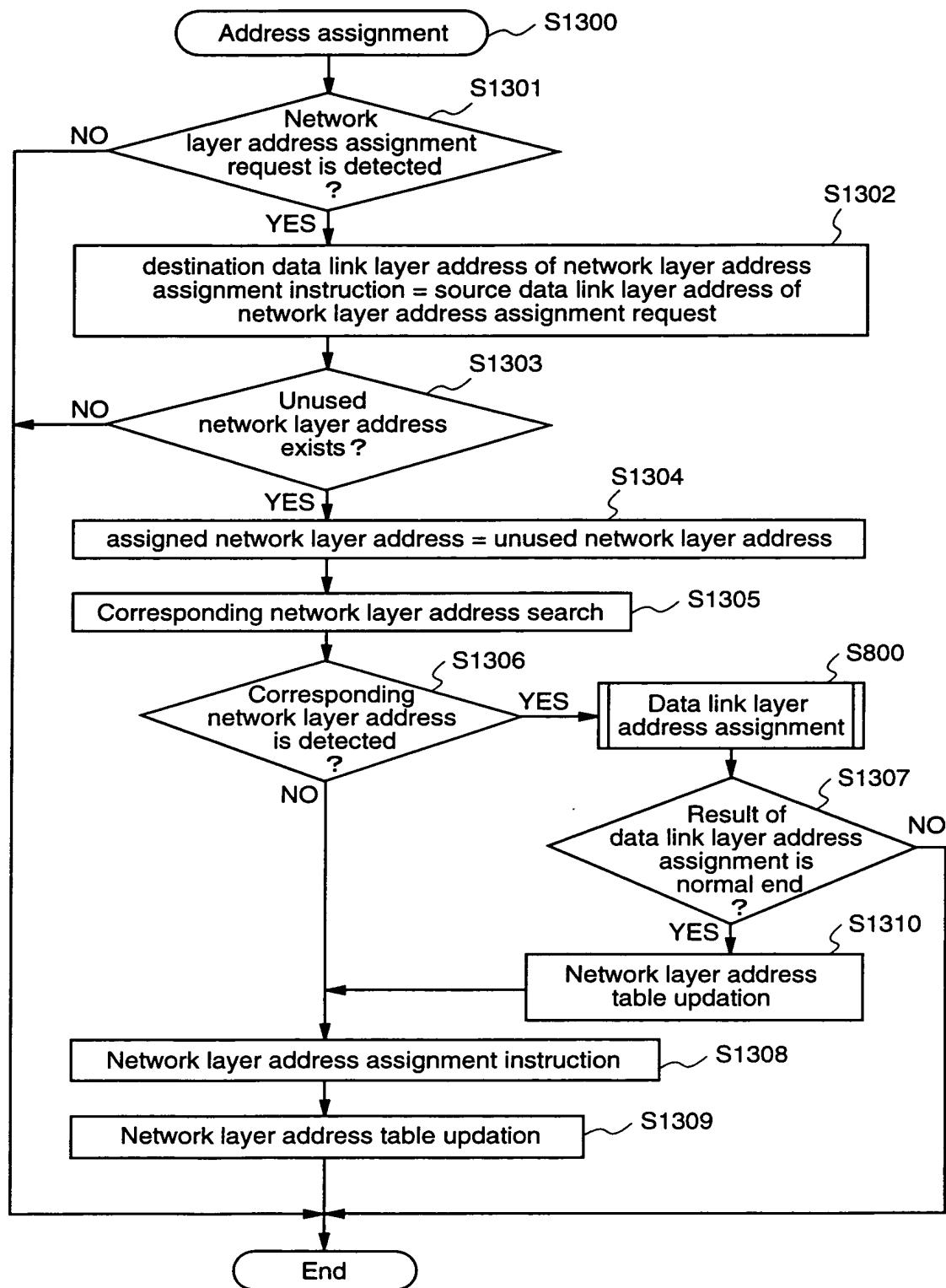


Fig.14

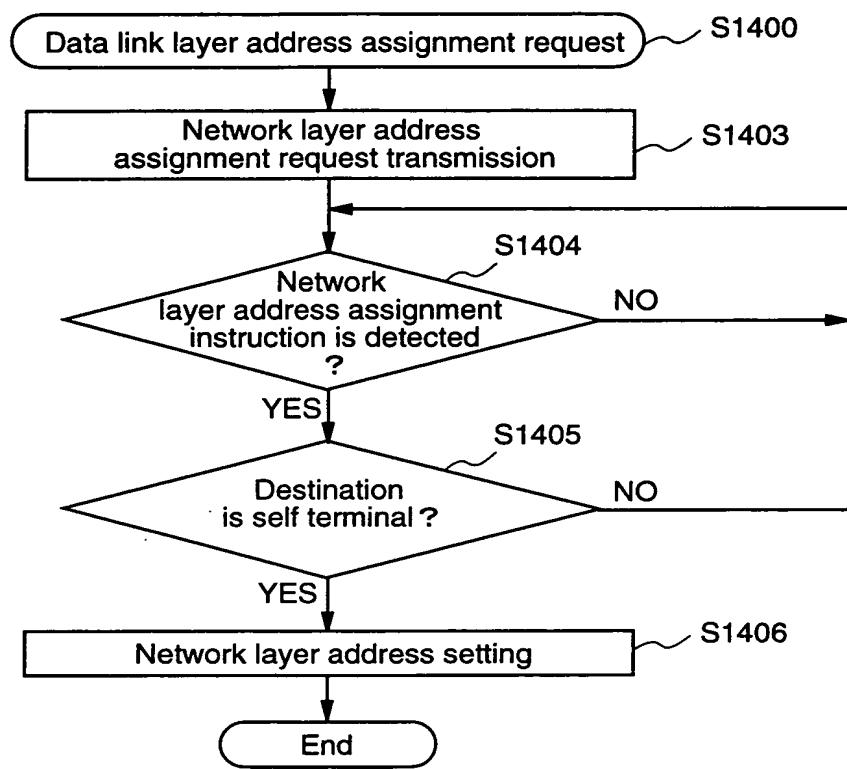


Fig.15 (A)

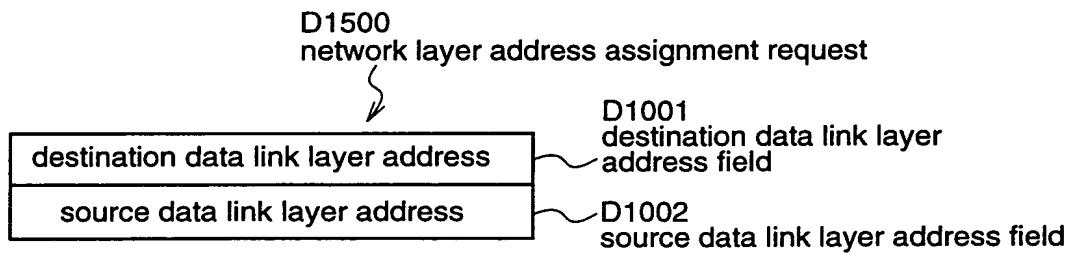


Fig.15 (B)

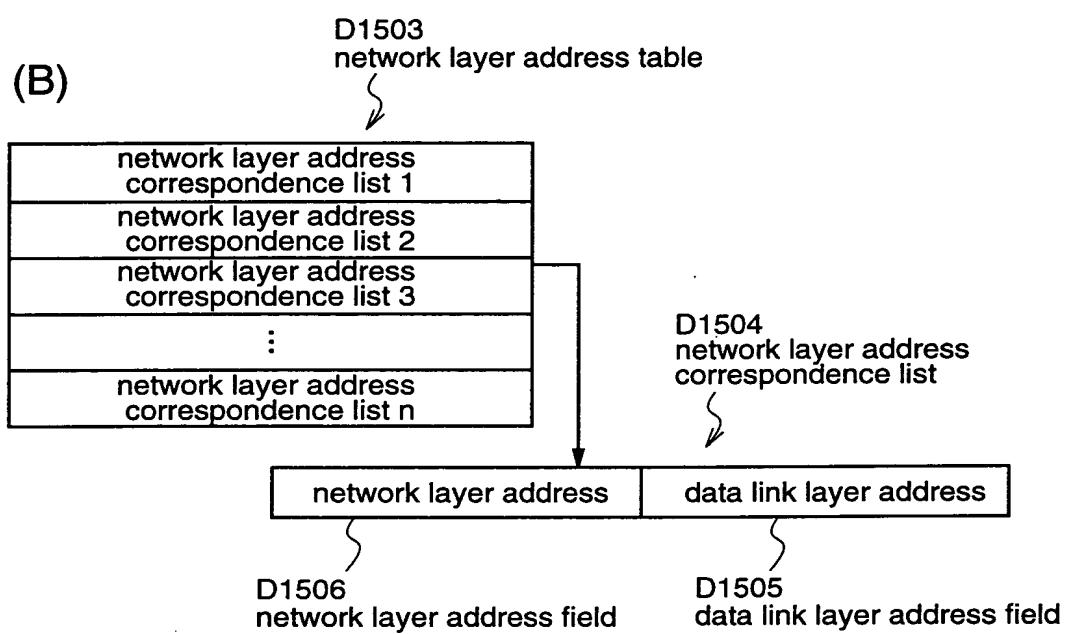


Fig.15 (C)

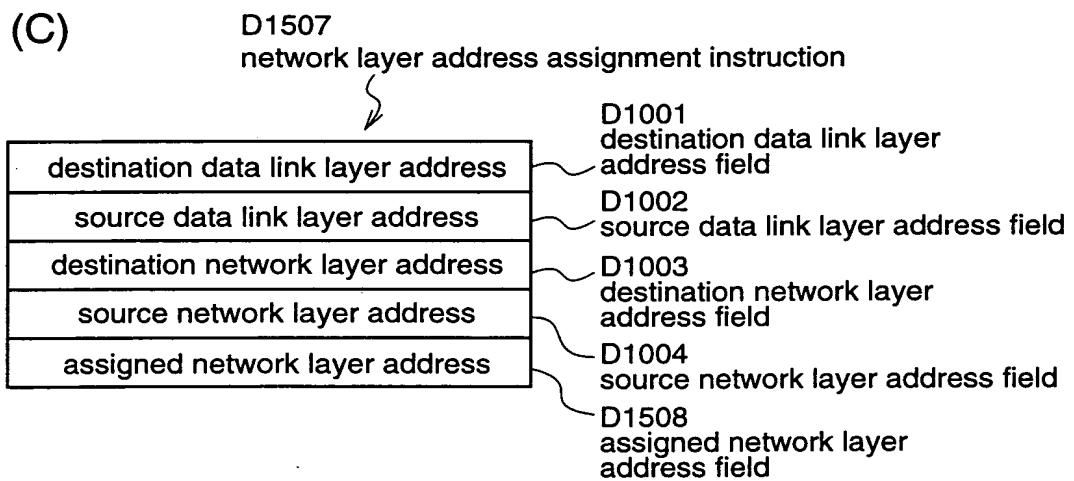


Fig.16

(a1)address state of server	network layer address	data link layer address
	NA1	DA1
(b1)address state of client 1	network layer address	data link layer address
	NA2	DA2
(c1)address state of client 2	network layer address	data link layer address
	NULL	DA2
(d1)data link layer address table	data link layer address	network layer address
	DA1	NA1
	DA2	NA2
	DA3	NULL
	DA4	NULL
(e1)network layer address table	network layer address	data link layer address
	NA1	DA1
	NA2	DA2
	NA3	NULL
	NA4	NULL
(a2)address state of server	network layer address	data link layer address
	NA1	DA1
(b2)address state of client 1	network layer address	data link layer address
	NA2	DA3
(c2)address state of client 2	network layer address	data link layer address
	NULL	DA2
(d2)data link layer address table	data link layer address	network layer address
	DA1	NA1
	DA2	NULL
	DA3	NA2
	DA4	NULL
(e2)network layer address table	network layer address	data link layer address
	NA1	DA1
	NA2	DA3
	NA3	NULL
	NA4	NULL
(a3)address state of server	network layer address	data link layer address
	NA1	DA1
(b3)address state of client 1	network layer address	data link layer address
	NA2	DA3
(c3)address state of client 2	network layer address	data link layer address
	NA3	DA2
(d3)data link layer address table	data link layer address	network layer address
	DA1	NA1
	DA2	NA3
	DA3	NA2
	DA4	NULL
(e3)network layer address table	network layer address	data link layer address
	NA1	DA1
	NA2	DA3
	NA3	DA2
	NA4	NULL

Fig.17

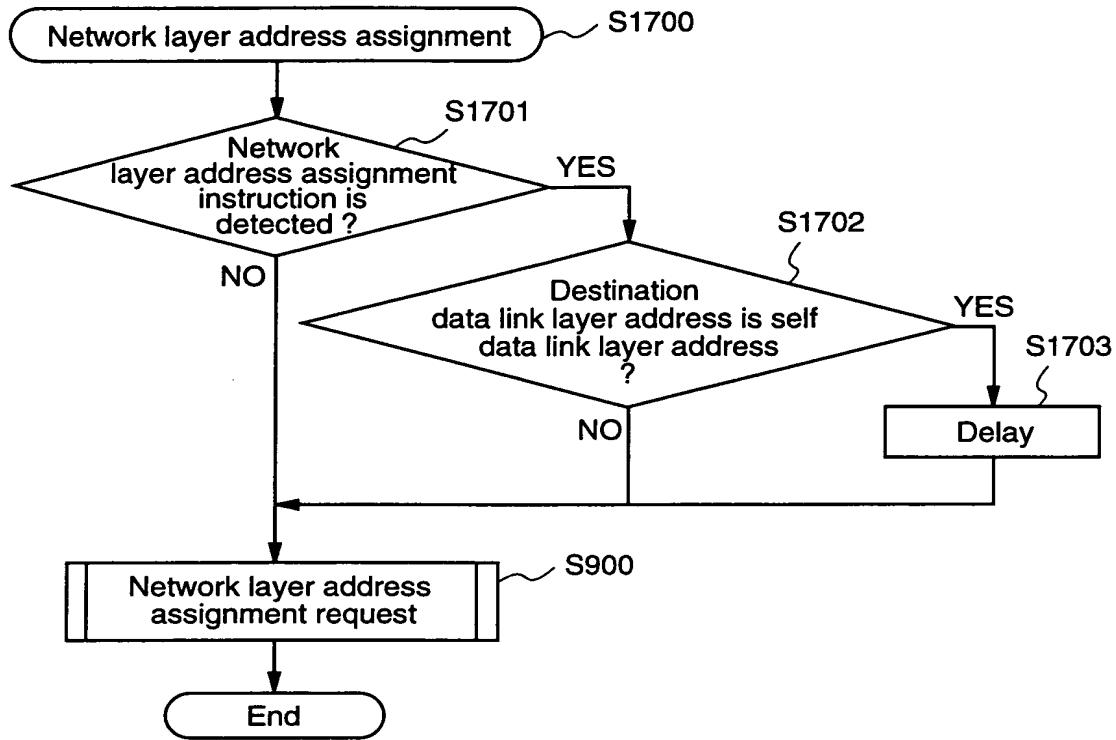


Fig. 18

(a1) address state of server		(a2) address state of server		(a3) address state of server		(a4) address state of server	
network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address
NA1	DA1	NA1	DA1	NA1	DA1	NA1	DA1
(b1) address state of client 1		(b2) address state of client 1		(b3) address state of client 1		(b4) address state of client 1	
network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address
NULL	DA2	NA2	DA2	NA2	DA3	NA2	DA3
(c1) address state of client 2		(c2) address state of client 2		(c3) address state of client 2		(c4) address state of client 2	
network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address
NULL	DA2	NULL	DA2	NULL	DA2	NA3	DA2
(d1) data link layer address table		(d2) data link layer address table		(d3) data link layer address table		(d4) data link layer address table	
data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address
DA1	NA1	DA1	NA1	DA1	NA1	DA1	NA1
DA2	NULL	DA2	NA2	DA2	NULL	DA2	NA3
DA3	NULL	DA3	NULL	DA3	NA2	DA3	NA2
DA4	NULL	DA4	NULL	DA4	NULL	DA4	NULL
(e1) network layer address table		(e2) network layer address table		(e3) network layer address table		(e4) network layer address table	
network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address
NA1	DA1	NA1	DA1	NA1	DA1	NA1	DA1
NA2	NULL	NA2	DA2	NA2	DA3	NA2	DA3
NA3	NULL	NA3	NULL	NA3	NULL	NA3	DA2
NA4	NULL	NA4	NULL	NA4	NULL	NA4	NULL

Fig.19

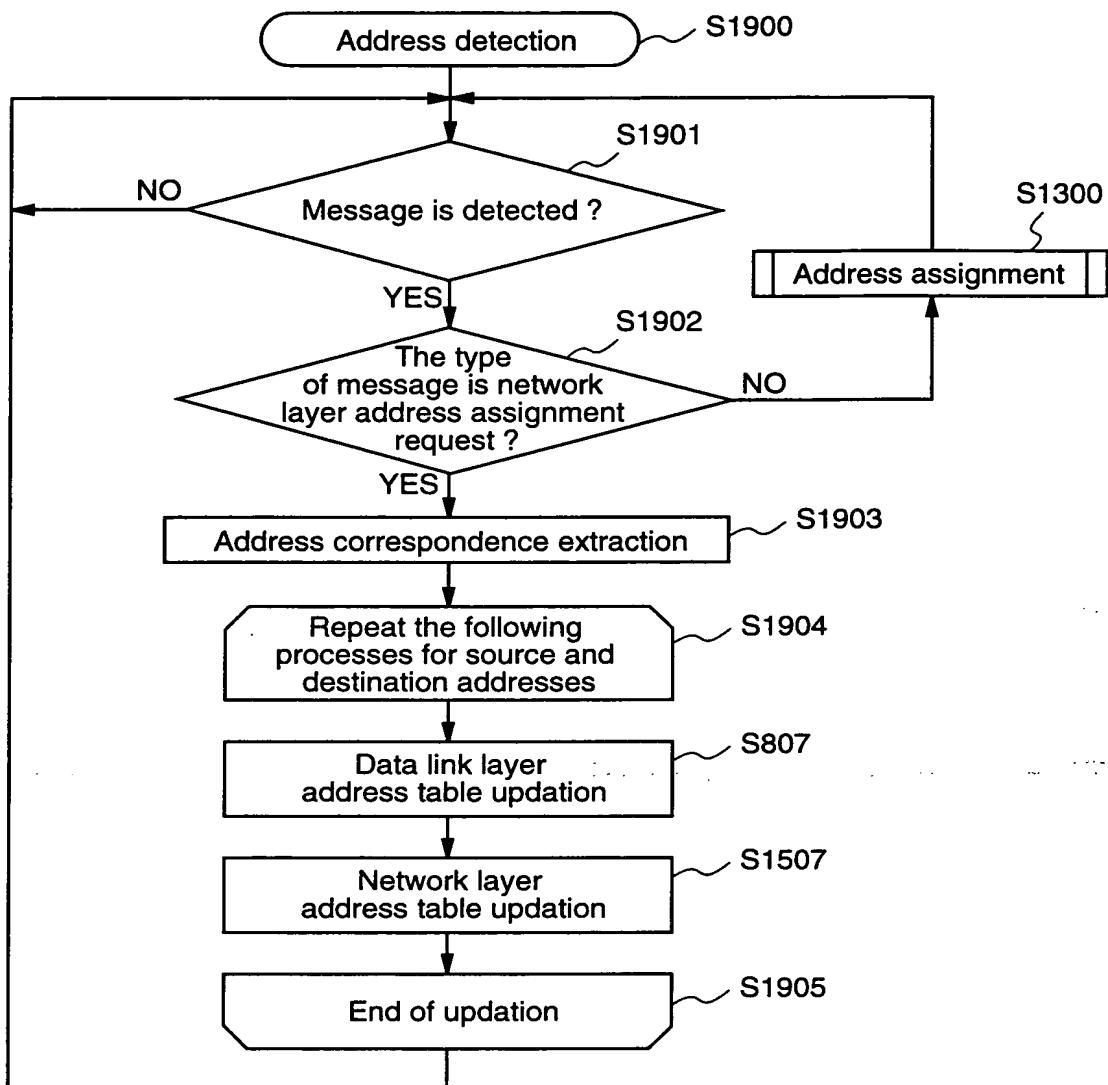


Fig.20

(a1)address state of server	(a2)address state of server	(a3)address state of server
network layer address	data link layer address	data link layer address
NA1	DA1	NA1
DA1		DA1
(b1)address state of client 1	(b2)address state of client 1	(b3)address state of client 1
network layer address	data link layer address	data link layer address
NA3	DA3	NA3
DA3		DA3
(c1)address state of client 2	(c2)address state of client 2	(c3)address state of client 2
network layer address	data link layer address	data link layer address
NA2	DA3	NA2
DA3		DA3
(d1)data link layer address table	(d2)data link layer address table	(d3)data link layer address table
data link layer address	network layer address	network layer address
DA1	NA1	DA1
DA2	NA2	DA2
DA3	NULL	DA3
DA4	NULL	DA4
(e1)network layer address table	(e2)network layer address table	(e3)network layer address table
network layer address	data link layer address	data link layer address
NA1	DA1	NA1
NA2	DA2	NA2
NA3	NULL	NA3
NA4	NULL	NA4

Fig.21 Prior Art

